

# STIC Search Report Biotech-Chem Library

#### STIC Database Tracking the control of the control o

TO: Nita M Minnifield

Location: REM/3C01/3C18

**Art Unit: 1645** 

Friday, September 02, 2005

Case Serial Number: 09/830839

From: Toby Port

**Location: Biotech-Chem Library** 

**REM-1A59** 

Phone: 571-272-2523

toby.port@uspto.gov

#### **Sealo**n Noises

**Examiner Minnifield,** 

See attached results.

If you have any questions about this search feel free to contact me at any time.

Thank you for using STIC search services!

Toby Port X22523





THIS PAGE BLANK (USPTO)



Comments:

# STIC SEARCH RESULTS FEEDBACK FORM

#### Biotech-Chem Library

Voluntary Results Feedback Form

Questions about the scope or the results of the search? Contact the searcher or contact:

Mary Hale, Information Branch Supervisor Remsen Bldg. 01 D86 571-272-2507

· >	I am an examiner in Workgroup: Example: 1610
· >	Relevant prior art found, search results used as follows:
	102 rejection
٠.	☐ 103 rejection
	☐ Cited as being of interest.
	☐ Helped examiner better understand the invention.
	Helped examiner better understand the state of the art in their technology.
•	Types of relevant prior art found:
	☐ Foreign Patent(s)
	Non-Patent Literature (journal articles, conference proceedings, new product announcements etc.)
>	Relevant prior art not found:
	Results verified the lack of relevant prior art (helped determine patentability).
	Results were not useful in determining patentability or understanding the invention.

Drop off or send completed forms to STIC-Bidech-Chem Library Remsen-Bide



THIS PAGE BLANK (USPTO)

#### STIC-Biotech/ChemLib

163655

From:

Minnifield, Nita

Sent:

Wednesday, August 24, 2005 12:46 PM

To: Subject: STIC-Biotech/ChemLib interference sequence search request

09/830839

#### STIC

Please do an interference sequence search on SEQ ID NO: 1 and 6 of this application.

Please provide a paper copy of all results.

Thanks,
Minnifield,
71976
Art Unit 1645
Office REM-3C01
Mailbox REM-3C18
571-272-0860

STAFF USE ONLY

Searcher:
Searcher Phone: 2Date Searcher Picked up:
Date Completed:
Searcher Prep/Rev. Time:
Online Time:

Type of Search

NA#:\_\_\_\_ AA#:\_\_ Interference:\_\_\_ SPDI:\_\_ S/L:\_\_ Oligomer:\_\_ Encode/Transl:\_\_\_ Structure#:\_\_\_ Text:\_\_ Inventor:\_\_\_ Litigation:\_\_ Vendors and cost where applicable STN:
DIALOG:
QUESTEL/ORBIT:
LEXIS/NEXIS:
SEQUENCE SYSTEM:
WWW/Internet:
Other(Specify):

THIS PAGE BLANK (USPTO)

```
Sequence 2, Appli
Sequence 173, App
Sequence 177, Appl
Sequence 77, Appl
Sequence 554, Appl
Sequence 515, Appl
Sequence 515, Appl
Sequence 3199, Ap
Sequence 3, Appli
Sequence 3, Appli
Sequence 416, Appl
Sequence 18026, A
Sequence 24200, A
Sequence 24200, A
Sequence 3, Appli
Sequence 18026, A
Sequence 24200, A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 104, App
Sequence 104, App
Sequence 104, App
Sequence 104, App
Sequence 173, Appli
Sequence 173, Appli
Sequence 77, Appli
Sequence 77, Appli
Sequence 77, Appli
                                                                                                                                                                                                                                                                                                                                                                                                                                         Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                 August 26, 2005, 23:40:16 ; Search time 30 Seconds (without alignments) 37.325 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Description
                                                                                                                                                                                                                                 513545
                                                                                                                                                                                                                                                                                                                                                      /cgn2_6/prodata/1/iaa/5A_COMB.pep:*
/cgn2_6/prodata/1/iaa/5B_COMB.pep:*
/cgn2_6/prodata/1/iaa/6A_COMB.pep:*
/cgn2_6/prodata/1/iaa/6B_COMB.pep:*
/cgn2_6/prodata/1/iaa/PcTUS_COMB.pep:*
/cgn2_6/prodata/1/iaa/PcTUS_COMB.pep:*
GenCore version 5.1.6
Copyright (c) 1993 -, 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-08-818-112-104
US-08-818-111-99
US-09-072-596-104
US-09-072-596-99
US-09-072-967-104
US-09-072-967-104
US-09-056-556-104
US-09-056-558-104
US-09-056-739-173
US-09-050-739-173
US-09-050-739-173
US-09-050-739-173
US-09-462-452-4
US-09-462-842-3
US-09-462-842-3
US-09-462-842-3
US-09-462-842-3
US-09-462-842-3
US-09-252-991A-18026
US-09-252-991A-18026
US-09-252-991A-18026
US-09-252-991A-18026
US-09-252-991A-18026
US-08-68-866-868-3
US-08-68-866-868-3
US-09-252-991A-18026
US-08-68-866-868-3
US-09-252-991A-18026
US-08-68-866-868-3
US-09-252-991A-18036
US-08-685-866C-3
                                                                                                                                                                                                                            Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                      513545 segs, 74649064 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SUMMARIES
                                                                                                                                                                                                                                                                                           Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                               - protein search, using sw model
                                                                                                                                                                    BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                    US-09-830-839-1
79
1 MTEQQWNFAGIEAAA 15
                                                                                                                                                                                                                                                                                                                                            Issued Patents AA:*
                                                                                                                                                                                                                                                        Minimum DB seq length: 0 Maximum DB seq length: 2000000000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query
Match Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Title:
Perfect score:
                                                                                                                                                                     Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        OM protein
                                                                                                                                                                                                                                                                                                                                              Database :
                                                                                                                                                Sequence:
                                                                                                                                                                                                         Searched:
                                                                       Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Result
No.
```

App			0;
7. 20 20 20 20 20 20 20 20 20 20 20 20 20			Gaps
Sequence Seq		<u>*</u>	0;
Control of the contro		METHODS FOR IMMUNOTHERAPY OF TUBERCULOSIS 11 Fifth Avenue Version #1.30 411C6	ngth 51; Indels
٥		IMMUNC SIS 30	3
309 9639 23320 23320 23320 3601 86 81 88 89 83 63 113 113		FOR I	3; e-07
016-7 099914-7 09914-7 0991-9 0991-9 0991-9 0991-9 0991-9 0991-9 0991-9	NTS	ETHODS FOR I Prifth Avenu Version #1.3	2
0 4 8 4 8 1 1 2 2 2 4 8 4 8 1 1 2 2 2 4 8 4 8 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ALIGNMENTS		Score 79; D Pred. No. 5. Mismatches
US-09-949-016-7309 US-09-252-991A-23220 US-09-252-991A-23220 US-09-538-022-599 US-09-134-000C-6437 US-09-134-000C-6437 US-09-134-000C-6437 US-09-134-000C-6437 US-09-134-012-13601 US-09-270-767-48818 US-09-149-155 US-09-149-159 US-09-149-159 US-09-149-727-2 US-09-149-727-2 US-09-149-727-2	AL.	on US/08818112  even G. Yeair A.W. Davin C. Davin C. Thomas S. Thomas S. AND DIAGNOSIS SISSEN DIAGNOSI	Sr.
4444444444444444 DDDDDDDDDDDDDDDDD		S/088  G. T. A.W T. A.W Man S.	100.0%; 100.0%; :ive 0
2600 2600 2600 2608 2000 2000 2000 2000			100 larity 100 Conservative
		4, Application U 6290696 6290696 TT: Reed, Steven TT: Skeiky, Yasi TT: Dillon, Davi TT: Dillon, Davi TT: Punchton, Ra TT: Punchton, Ra TT: Punchton, Ra TT: Punchton, Ra TNVENTION: AND INVENTION: AND INVENTION: AND INVENTION: AND SEE: SEED and E 6300 Columbia Seattle Machington Y: USA 98104-7092 READABLE FORM: TYPE: Floppy G REST INFORM TYPE: PatentIn R ATION NUMBER: U DATE: Daviel J AGENT INFORM TIN DATE TOON TOON TOON TOON TOON TOON TOON TO	ity serva
		104  Applicat  290969  C290969  Seed, S. Skeiky, Dillon, Campos, Thoughton, TNVENTION: TNVENTION: TNVENTION: Agentle Washingto And Washingto Washi	h Similarity 15, Conser
36. 24. 24. 24. 24. 24. 24. 24. 24. 24. 24	•	SULT 1  -08-818-112-104  Sequence 104, Application  Berent No. 6290969  GERERAL INFORMATION:  APPLICANT: Reed, Steve  APPLICANT: Skeiky, Yas  APPLICANT: Campos-Neto  APPLICANT: Dillon, Dav  APPLICANT: Houghton, RA  APPLICANT: Twardzik, DA  APPLICANT: Twardzik, Th  APPLICANT: Twardzik, Th  APPLICANT: Twardzik, Th  APPLICANT: Twardzik, Th  APPLICANT: Wedvick, Th  APPLICANT: Wedvick, Th  APPLICANT: Golo Columbi  CITY: Seattle  STREE: SED and  STREE: Seattle  STREE: Seattle  STREE: Seattle  STREE: Golo Columbi  CITY: Seattle  STREE: BADABLE PCOM  COMPUTRY: USA  ZIP: 98104-7092  COMPUTRY: USA  ZIP: 98104-7092  COMPUTRY: LIM PC COM  OPERATING SYSTEM: PC  SOFTWARE: PATCATION UMBER:  FILLING DATE: 13-MAR-  CLASSIFICATION NUMBER:  FILLEPHONE: (206) 62-6  INFORMATION FOR SEQ ID NO  SEQUENCE CHARACTERISTIC  LERGTH: 51 amino acid  STRANDEDNESS: single  TOPPOLOGY: linear  TOPOLOGY: linear	ch 11 Sir 15;
		T I  "UBADE 112-1 "UBADE 114, "ERAL INPO APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: TITLE OF I TELEPHON TOPOLOGY	Query Match Best Local a Matches 1
00000000000000000000000000000000000000		RESULT RESULT Pates Sequence of the sequence o	Query M Best Lo Matches
		AD CHECKER CHE	

13578, A 2, Appli 6, Appli 8, Appli

30635, A 2, Appli

Sequence Sequence Sequence Sequence

US-08-579-667-2 US-08-579-667-6 US-08-579-667-8 US-09-252-991A-30635 US-09-368-590-2

ò

```
TUBERCULOSIS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
APPLICANT: Reel, Yasir A.W.
APPLICANT: Campos-Neto, Antonia
APPLICANT: Campos-Neto, Antonia
APPLICANT: Houghton, Raymond
APPLICANT: Twardzik, Thomas S.
APPLICANT: Twardzik, Daniel R.
APPLICANT: Lodes, Michael J.
APPLICANT: Lodes, Michael J.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR DIAGNOSIS OF
TITLE OF INVENTION: 350
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%; Score 79; DB 3; Length 51; 100.0%; Pred. No. 5.8e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Indels
                                                                                                                                          OPERATING SYSTEM: PC-UOS/MD-LUS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/056,556
FILING DATE: 07-APR-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET WUMBER: 210121.457
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEFAX: (206) 622-4900
TELEFAX: (206) 622-4901
INFORMATION FOR SEQ ID NO: 104:
SEQUENCE CHARACTERISTICS:
LEMGTH: 51 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/09/072,596 FILING DATE: 05-MAY-1998 CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   6300 Columbia Center, 701 Fifth Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.417C9
TELECOMMUNICATION INFORMATION:
                                    ZIP: 98104-7092
COMPUTER READABLE FORM:
CMBIUM TYPE: Floppy disk
CMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Flopyy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 4
108-09-072-596-99
99, Application US/09072596;
Patent No. 6458366
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEED and BERRY LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 100.0%; Some Best Local Similarity 100.0%; Post Matches 15; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 MTEQQWNFAGIEAAA 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 MTEQOWNFAGIEAAA 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STREET: 6300 Colum
CITY: Seattle
STATE: Washington
Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: amino acid
STRANDEDNESS: siz
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-056-556-104
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TREAT
                                                                                                                                                                                                                                                                                                                                                                                               TUBERCULOSIS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 104, Application US/09056556

Patent No. 6350456

GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
APPLICANT: Reed, Steven G.
APPLICANT: Skeiky, Yaair A.W.
APPLICANT: Oillon, Davin C.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE PREVENTION AND NUMBER OF SEQUENCES: 241
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ;
0
                                                                                                                                                      Sequence 99, Application US/08818111
Patent No. 6338852
GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Campos-Neto, Antonia
APPLICANT: Campos-Neto, Antonia
APPLICANT: Houghton, Raymond
APPLICANT: Twardzik, Thomas S.
APPLICANT: Twardzik, Daniel R.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR DIAGNOSIS OF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 51;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STREET: 0000 CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYBE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/818,111
FITING DATE: 13-424
                                                                                                                                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 79; DB 3; 1
100.0%; Pred. No. 5.8e-07;
tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ATTORNEY AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE DOCKET NUMBER: 210121.417C6
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEPHONE: (206) 622-4900
INFORMATION FOR SEQ ID NO: 99:
SEQUENCE CHARACTERISTICS:
LENGTH: 51 aming acids
                             1 MTEQOWNFAGIEAAA 15
1 MTEQOWNFAGIEAAA 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 MTEQQWNFAGIEAAA 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 MTEQOWNFACIEAAA 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 100.0
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; TOPOLOGY:
US-08-818-111-99
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-056-556-104
                                                                                                             RESULT 2
US-08-818-111-99
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 3
```

à g 1 MTEQOWNFAGIEAAA 15

셤

```
STREET: 419 Sever
CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity
Matches 15; Conserv
                                                                                                                                                                                                                                                                                                                                                       STATE: D.C.
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 7
US-09-050-739-173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY:
                                                           RESULT 6
US-08-465-640-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-08-465-640-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                        ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Reed, Steven G.
APPLICANT: Reily, Yasir A.W.
APPLICANT: Dillon, Davin C.
APPLICANT: Campos Neto, Antonio
APPLICANT: Houghton, Raymond
APPLICANT: Wedvick, Thomas S.
APPLICANT: Twardik, Daniel R.
APPLICANT: Wardik, Daniel R.
APPLICANT: Hendrickson, Ronald C.
APPLICANT: COMPOUNDS AND METHODS FOR IMMUNOTHERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF TUBERCULOSIS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 51;
                                                                                                                                                                                                 Length 51;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Indels
                                                                                                                                                                                                                                        0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STREET: 6300 Columbia Center, 701 Fifth Avenue CITY: Seattle STATE: Washington STATE: Washington COUNTRY: USA ZIP: 98104-7092 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk COMPUTER: IBM PC Compatible OCHUTER: IBM PC Compatible OCHUTER: PATEMENT RELEASE PATEMENT Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        3: SEED and BERRY LLP
6300 Columbia Center, 701 Fifth Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
100.0%; Score 79; DB 4; I
Best Local Similarity 100.0%; Pred. No. 5.8e-07;
Matches 15; Conservative 0; Mismatches 0;
                                                                                                                                                                                               Score 79; DB 4;
Pred. No. 5.8e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATHON NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.411C9
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEPHONE: (206) 622-4900
INFORMATION FOR SEQ ID NO: 104:
SEQUENCE CHARACTERISTICS:
LENGTH: 51 aming acids
                                                                                                                                                                                                                                        Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US/09/072,967
FILING DATE: 05-MAY-1998
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 104, Application US/09072967
Patent No. 6592877
                                                                                                                                                                                                                                        ;
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 99:
SEQUENCE CHARACTERISTICS:
LENGTH: 51 amino acids
                                                                                                                                                                                                 Query Match
Best Local Similarity 100.0%;
Matches 15; Conservative 0
                                                                                                                                                                                                                                                                               1 MTEQOWNFAGIEAAA 15
                                                                                                                                                                                                                                                                                                                      1 MTEQOWNFAGIEAAA 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      355
                                                                                                TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                linear
                                                                                                                                         linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TOPOLOGY:
US-09-072-967-104
                                                                                                                                         ;
US-09-072-596-99
                                                                                                                                                                                                                                                                                                                                                                             RESULT 5
US-09-072-967-104
                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                 ò
```

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 173, Application US/09050739
Sequence 173, Application US/09050739
Patent No. 6641814
GENERAL INFORMATION:
PAPPLICANT: AND SERSEN, Peter
APPLICANT: RASMUSSEN, Peter Birk
APPLICANT: RASMUSSEN, Peter Birk
APPLICANT: RASMUSSEN, Ida
APPLICANT: RASMUSSEN, Asin
APPLICANT: FLORIO, Walter
TITLE OF INVENTION: NUCLEIC ACIDS FRAGMENTS AND POLYPEPTIDE FRAGMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 95;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        OFTRAING STSIEM:
CURRENT APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
FILING DATE:
APPLICATION NUMBER: US/08/465,640
FILING DATE:
APPLICATION NUMBER: US 08/123,182
FILING DATE:
APPLICATION NUMBER: US 08/123,182
FILING DATE: 20-5EP-1993
FRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/DK94/00273
FILING DATE: 01-JUL-1594
ATTORNEY/AGENT: NPORMATION:
NAME: COOPER, IVER P
REGISTRATION NUMBER: 28,005
REGISTRATION NUMBER: 28,005
REGISTRATION INFORMATION:
TELECOMMULICATION INFORMATION:
TELECOMMULICATION INFORMATION:
TELEFRAK: 202-628-5197
TELEFRAK: 202-628-5197
TELEFRAK: 202-737-3528
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%; Score 79; DB 2; 1
100.0%; Pred. No. 1.2e-06;
tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                       ADDRESSEE: Browdy and Neimark
STREET: 419 Seventh Street, N.W., Suite 300
Sequence 2, Application US/08465640
Fatent No. 5955077
GENERAL INFORMATION:
APPLICANT: ANDERSEN, Peter
APPLICANT: ANDERSEN, Ase Bengaard
APPLICANT: HASLOV, Kaare
APPLICANT: ASCRENER, Anne Lund
TITLE OF INVENTION: TUBERCULOSIS VACCINE
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                          MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 MTEQOWNFAGIEAAA 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 MTEQOWNFAGIEAAA 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    95 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEX: 248633
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE CHARACTERISTICS LENGTH: 95 amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                   ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy of
```

ö

1 MTEQQWNFAGIEAAA 15

```
LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 172, Application US/09050739

Sequence 172, Application US/09050739

Patent No. 6641814

GENERAL INFORMATION:

APPLICANT: ANDERSEN, Peter

APPLICANT: ANDERSEN, Rikke

APPLICANT: OETTINGER, Thomas

APPLICANT: RASMUSSEN, Peter Birk

APPLICANT: ROSENKRANDS, Ida

APPLICANT: MELDINGH, Karin

APPLICANT: MELDINGH, Karin

APPLICANT: NONENKRANDS, Ida

APPLICANT: NONENTON: NULETC ACIDS FRAGMENTS

TITLE OF INVENTION: NUMBER: US/09/050,739

CURRENT APPLICATION NUMBER: US/09/050,739

CURRENT FILING DATE: 1994-01-02

EARLIER PILING DATE: 1997-04-02

EARLIER PILING DATE: 1997-11-10

EARLIER FILING DATE: 1997-04-02

EARLIER FILING DATE: 1997-04-05

EARLIER FILING DATE: 1997-04-05

EARLIER FILING DATE: 1997-04-05

EARLIER FILING DATE: 1998-01-05

NUMBER: OF SEQ ID NOS: 173

SEQ ID NOS: 174

SEQ ID NOS: 174
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      .,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ch 100.0%; Score 79; DB 4; Length 404; l Similarity 100.0%; Pred. No. 6.2e-06; 15; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 100.0%; Score 79; DB 4; Length 403; Best Local Similarity 100.0%; Pred. No. 6.2e-06; Matches 15; Conservative 0; Mismatches 0; Indels
FITLE OF INVENTION: DERIVED FROM M. TUBERCULOSIS
           CURRENT APPLICATION NUMBER: US/09/050,739
CURRENT FILING DATE: 1988-03-30
EARLIER APPLICATION NUMBER: 0376/97
EARLIER FILING DATE: 1997-04-02
EARLIER FILING DATE: 1997-04-02
EARLIER FILING DATE: 1997-04-02
EARLIER FILING DATE: 1997-04-18
SOFTWARE: PATENTY
SOFTWARE: PATENTY
SOFTWARE: PATENTY
SOFTWARE: PATENTY
SEQ ID NOS: 173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ) ORGANISM: Mycobacterium tuberculosis US-09-050-739-173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ORGANISM: Mycobacterium tuberculosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              310 MTEQQWNFAGIEAAA 324
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 MTEQQWNFAGIEAAA 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 MTEQOWNFAGIEAAA 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     22 MTEQOWNFAGIEAAA 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               -09-050-739-172
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-050-739-172
                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   임
```

RESULT 9 US-09-001-984C-77

```
RESULT 11

19.09-108452A-554

1 Sequence 554, Application US/09198452A

2 Sequence 554, Application US/09198452A

3 Patent No. 6559294

4 BADRELL INFORMATION:

5 APPLICANT: Griffals, R.

7 ITILE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments

7 ITILE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, preve

7 ITILE OF INVENTION: and treatment of infection

7 ITILE OF INVENTION: and treatment of infection

7 ITILE OF INVENTION:

7 ITILE OF INVENTI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 77, Application US/09396347F

Sequence 77, Application US/09396347F

Patent No. 6506384

GENERAL INFORMATION:

APPLICANT: Laal, Suman

APPLICANT: Laal, Suman

APPLICANT: Belisle, John T

TITLE OF INVENTION: EARLY DETECTION OF WYCOBACTERIAL DISEASE

FILE REFERENCE: 32004-169276

CURRENT FILING DATE: 1999-09-14

PRIOR APPLICATION NUMBER: 09/001, 984

PRIOR APPLICATION NUMBER: 09/001, 984

PRIOR FILING DATE: 1997-12-31

NUMBER OF SEQ. ID NOS: 106

SOFTWARE: Patentin Ver: 2.1

SEG ID NO 77
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                  APPLICANT: Laal, Suman
APPLICANT: Laal, Suman
APPLICANT: Laal, Suman
APPLICANT: Solla-Pazner, Susan
APPLICANT: Belisle, John T
TITLE OF INVENTION: EARLY DETECTION OF MYCOBACTERIAL DISEASE
FILE REFERENCE: NYU-011
CURRENT APPLICATION NUMBER: US/09/001,984C
CURRENT FILING DATE: 1997-12-31
PRIOR FILING DATE: 1996-12-31
NUMBER: OF SEQ. ID NOS: 106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              65.8%; Score 52; DB 3; Length 10; 90.0%; Pred. No. 0.0051; Live 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    65.8%; Score 52; DB 4; Length 10; 90.0%; Pred. No. 0.0051; Live 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; TYPE: PRT
; ORGANISM: Mycobacterium tuberculosis strain H37Rv
US-09-001-984C-77
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; TYPE: PRT
; ORGANISM: Mycobacterium tuberculosis strain H37Rv
US-09-396-347F-77
Sequence 77, Application US/09001984C Patent No. 6245331 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PatentIn Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 90.0.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 TEQQWDFAGI 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ||||||:||||
TEQOWDFAGI 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2 TEQOWNFAGI 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2 TEQOWNFAGI 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
Matches 9; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 10
US-09-396-347F-77
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: P
SEQ ID NO 77
LENGTH: 10
```

Ŋ

Stephens, Richard

```
ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Б
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ;
                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
APPLICANT: Fitzmaurice, Wayne P.
APPLICANT: Fitzmaurice, Wayne P.
APPLICANT: Hellmann, Gary M.
APPLICANT: Grill, Laurence K.
APPLICANT: Kunagai, Monto H.
APPLICANT: Laurence K.
APPLICANT: Della-Cioppa, Guy R.
TITLE OF INVENTION: DNA SEQUENCES ENCODING ENZYMES USEFUL IN TITLE OF INVENTION: PHYTOENE BIOSYNTHESIS
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 42; DB 1; Length 413; Pred. No. 22;
                                                                                                            Score 42; DB 4; Length 409;
Pred. No. 22;
1; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADDRESSEE: Virginia C. Bennett
STREET: 1211 East Morehead Street, PO Drawer 34009
CITY: Charlotte
STATE: No. 5705624th Carolina
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/579,667
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ATTORNEY/AGENT INFORMATION:
NAME: Bennett, Virginia C.
REGISTRATION NUMBER: 37,092
REGISTRATION NUMBER: 627-196
TELECOMMUNICATION INFORMATION:
TELEPHONE: 919-420-2200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-438-185A-515
; Sequence 515, Application US/09438185A
; Patent No. 6822071
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                          Sequence 4, Application US/08579667
Patent No. 5705624
                                   TYPE: PRT CRGANISM: Chlamydia pneumoniae US-09-198-452A-554
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    53.2%;
50.0%;
                                                                                                            Query Match 53.2%;
Best Local Similarity 77.8%;
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 413 amino acids TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 50.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: 919-881-3175
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     50 EQMWNFGSVKSA 61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             3 EQOWNFACIEAA 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; TOPOLOGY: linear; MOLECULE TYPE: protein US-08-579-667-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              435
                                                                                                                                                                                                               ||: |||||
345 WNYLGIEAA 353
                                                                                                                                                                                         6 WNFAGIEAA 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ZIP: 28234
; SEQ ID NO 554
; LENGTH: 409
                                                                                                                                                                                                                                                                                      RESULT 12
US-08-579-667-4
                                                                                                                                                                                         ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 셤
```

```
KESULI 14
US-09-949-016-9799

Squence 9799, Application US/09949016

Patent No. 6812339

GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF;
FILE REPERENCE: CL001307

CURRENT FILING DATE: 2000-04-14

PRIOR APPLICATION NUMBER: 60/241,755

PRIOR PELING DATE: 2000-10-20

PRIOR FILING DATE: 2000-10-20

PRIOR FILING DATE: 2000-10-03

PRIOR FILING DATE: 2000-00-03

PRIOR FILING DATE: 2000-00-03

PRIOR FILING DATE: 2000-00-03

NUMBER OFFER FOR SEQ ID NOS: 207012

SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
APPLICANT: Mitchell, Wayne
APPLICANT: Kalman, Sue
APPLICANT: Ralman, Sue
APPLICANT: Davis, Ronald
APPLICANT: Davis, Ronald
APPLICANT: The Regents of the University of California
TITLE OF INVENTION: Chlamydia Pneumoniae Genome Sequence
FILE REFERENCE: 018941-000411US
CURRENT APPLICATION NUMBER: US 60/108,279
PRIOR APPLICATION NUMBER: US 60/108,279
PRIOR APPLICATION NUMBER: US 60/128,606
PRIOR FILING DATE: 1998-11-12
PRIOR APPLICATION NUMBER: US 60/128,606
PRIOR FILING DATE: 1999-04-08
NUMBER OF SEQ ID NOS: 1074
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 515
LENGTH: 413
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 413;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  53.2%; Score 42; DB 4; Length 578; 50.0%; Pred. No. 32;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 42; DB 4;
Pred. No. 22;
1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                4; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 15
US-09-462-842-3
Sequence 3, Application US/09462842
; Patent No. 6521421
; GENERAL INPORMATION:
; APPLICANT: Quax, Wilhelmus J.
; APPLICANT: Caldwell, Robert M.
                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
ORGANISM: Chlamydia pneumoniae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       53.2%;
77.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2 TEOOWNFACIEAAA 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       :: ||: ||: ||
26 SDWQWDSAGVEVAA 39
                                                                                                                                                                                                                                                                                                                                                                                                              FEATURE:
COTHER INFORMATION: CPn0513
US-09-438-185A-515
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity 50.0
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         349 WNYLGIEAA 357
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   6 WNFAGIEAA 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
ORGANISM: Human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-949-016-9799
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
```

```
ö
; TITLE OF INVENTION: Increasing Production of Proteins in Gram-Positive; FILE OF INVENTION: Microorganisms
; FILE REFERENCE: GC383-US
; CURRENT APPLICATION UNDER: US/09/462,842
; CURRENT APPLICATION NUMBER: US/09/462,842
; PRIOR APPLICATION NUMBER: PC7/US98/14704
; PRIOR PILING DATE: 1999-07-15
; PRIOR PILING DATE: 1997-07-15
; NUMBER: EP 97305288.9
; NUMBER: FS6LSO ID NOS: 5
; SOFTWARE: FS6LSO for Windows Version 3.0
; SEQ ID NO 3
; LENGTH: 176
; TYPE: PRI
TYPE: PRI
TYPE: PRI
US-09-462-842-3
                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                Score 41; DB 4; Length 176;
Pred. No. 12;
3; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Search completed: August 27, 2005, 00:04:22 Job time : 31 secs
                                                                                                                                                                                                                                                                                                                                                                                Query Match 51.9%;
Best Local Similarity 60.0%;
Matches 6; Conservative 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |:||:|
|:||:|
| 132 ERQWDFLGLE 141
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         3 EQQWNFAGIE 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                a
```

۸

```
August 26, 2005, 23:58:53; Search time 111.5 Seconds (without alignments) 52.860 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Cgn2_6/ptodata1/pubpaa/US07_PUBCOMB.ppp:*
| Cgn2_6/ptodata1/pubpaa/US07_NEW_PUB.ppp:*
| Cgn2_6/ptodata1/pubpaa/US06_NEW_PUB.ppp:*
| Cgn2_6/ptodata1/pubpaa/US06_PUBCOMB.ppp:*
| Cgn2_6/ptodata1/pubpaa/US07_NEW_PUB.ppp:*
| Cgn2_6/ptodata1/pubpaa/US07_NEW_PUB.ppp:*
| Cgn2_6/ptodata1/pubpaa/US08_NEW_PUB.ppp:*
| Cgn2_6/ptodata1/pubpaa/US08_PUBCOMB.ppp:*
| Cgn2_6/ptodata1/pubpaa/US08_PUBCOMB.ppp:*
| Cgn2_6/ptodata1/pubpaa/US08_PUBCOMB.ppp:*
| Cgn2_6/ptodata1/pubpaa/US09_PUBCOMB.ppp:*
| Cgn2_6/ptodata1/pubpaa/US09_PUBCOMB.ppp:*
| Cgn2_6/ptodata1/pubpaa/US09_PUBCOMB.ppp:*
| Cgn2_6/ptodata1/pubpaa/US09_PUBCOMB.ppp:*
| Cgn2_6/ptodata1/pubpaa/US09_PUBCOMB.ppp:*
| Cgn2_6/ptodata1/pubpaa/US00B_PUBCOMB.ppp:*
| Cgn2_6/ptodata1/pubpaa/US00B_PUBCO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1767149 seqs, 392926209 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Published Applications_AA:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Maximum Match 100%
Listing first 45 summaries
                                                                                                                                                                    OM protein - protein search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 WNFAGIEAAASAIQG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Minimum DB seq length: 0 Maximum DB seq length: 2000000000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Post-processing: Minimum Match 0%
                                                                                                                                                                                                                                                                                                                                                                                                               US-09-830-839-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          9:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  220011
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Searched:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Database
                                                                                                                                                                                                                                                   Run on:
```

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	* Query Match Length DB ID	n DB	ΩI	Description
1	77	100.0 15	14	US-10-079-167-80	Sequence 80, Appl
7	77		15	US-10-345-000-2	Sequence 2, Appli
m	77	100.0 20	σ	US-09-813-333-60	Sequence 60, Appl
4,	77		13	US-10-044-703-60	Sequence 60, Appl
S	77		15	US-10-239-103-60	Sequence 60, Appl
9	77		11	US-09-886-349A-33	Sequence 33, Appl
7	77		14	US-10-193-002-99	Sequence 99, Appl
80	77	100.0 51	14	US-10-084-843-104	Sequence 104, App
σ	77	100.0 51	14	US-10-098-732A-33	Sequence 33, Appl
10	77	100.0 51	20	US-11-028-898-104	Sequence 104, App
11	77		20	US-11-082-005-99	Segmence 99. Appl

- 71 00	Sequence 173, App Sequence 4, Appli Sequence 173, App Sequence 4, Appli	Sequence 173, App Sequence 172, App Sequence 3, Appli Sequence 172, App	Sequence 3, Appliance 172, Appliance 61, App	Sequence 61, Appl Sequence 59, Appl Sequence 59, Appl	Sequence 59, Appl Sequence 79, Appl Sequence 1, Appli	Sequence 201779, Sequence 201777, Sequence 264053,		Sequence 554, App Sequence 201780, Sequence 133273, Sequence 108079, Sequence 168, App Sequence 113, App
US-09-805-427A-1 US-09-872-505-1 US-10-332-512A-12 US-10-689-921-18	US-09-791-171-173 US-09-805-427A-4 US-09-804-980-173 US-09-872-505-4	US-10-620-246-173 US-09-791-171-172 US-09-805-427A-3 US-09-804-980-172	US-10-872-303-3 US-10-620-246-172 US-09-813-333-61 US-10-044-703-61	US-10-239-103-61 US-09-813-333-59 US-10-044-703-59	US-10-239-103-59 US-10-079-167-79 US-10-345-000-1	US-10-425-115-201779 US-10-425-115-201777 US-10-425-115-264053	US-10-787-701-40357 US-10-389-493-21850 US-10-389-647-560	US-10-289-762-554 US-10-425-115-201780 US-10-437-963-133273 US-10-437-963-108079 US-10-284-213-168 US-10-284-930-113
9 11 16 18	110	9661	13	15	15	100	12	15 10 10 10 10
9 9 9 9 8 5 5 5	4 4 4 4 6 0 3 8 0 3 8	4 4 4 4 4 0 0 0 0 0 4 4 4 4	4 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	13 52	113	122 207 158	400 141	144 144 149 149
100.0 100.0 100.0	1000.0	0.00.00	100.0	85.7 77.9	77.9	5.00.7 5.00.7 7.00.0	55.8	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
77 77 77	77 77 77	77 77 77	77 66 66	9009	5 5 6 5 5 4 4 5	4 4 4 4 6 6 6 6	43 43 5.5	4 4 4 4 4 4 2 2 2 1 1 1 L
12 13 14 15	16 17 18	2222	7 5 5 4 7 5 6 7 4 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	0 0 B	33 33 33 33	3 3 4 4 3 6 4	38 6	4 4 4 4 4 4 0 4 6 6 4 6

## ALIGNMENTS

US-10-079-167-80
Sequence 80, Application US/10079167
Publication No. US20030138454A1
GENERAL INFORMATION:
APPLICANT: Hill, Adrian V.S.
APPLICANT: Gilber, Sarah C.
APPLICANT: Gilber, Sarah C.
APPLICANT: Gilber, Sarah C.
APPLICANT: Schneider, Joerg
TITLE OF INVENTION: Vaccination Method
FILE REFERENCE: 2907.1000-001
CURRENT APPLICATION NUMBER: US/10/079,167
CURRENT APPLICATION NUMBER: US/10/079,167
CURRENT APPLICATION NUMBER: BCT/GB98/01681
PRIOR FILING DATE: 1998-06-09
PRIOR FILING DATE: 1998-06-09
PRIOR FILING DATE: 1997-06-09
PRIOR FILING DATE: 1997-06-09
PRIOR PLING DATE: 1997-06-09
PRIOR PLING DATE: 2001-09-13
PRIOR FILING DATE: 2001-09-13
PRIOR FILING DATE: 2001-09-21
NUMBER OF SEQ ID NOS: 99
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 80
LENGTH: 15
LENGTH:

```
Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                        셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                쉽
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                .
0
                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Fequence 60, Application US/09813333
Fatent No. US20020119160A1
GENERAL INFORMATION:
APPLICANT: DeGroco, Anne S
TITLE OF INVENTION: Human T Cell Response to MHC-Binding Motif Clusters
FILE REPERENCE: 17999-004 US
CURRENT APPLICATION NUMBER: US/09/813,333
CURRENT FILING DATE: 2001-03-20
FRIOR APPLICATION NUMBER: 60/190,834
PRIOR FILING DATE: 2000-03-20
NUMBER OF SEQ ID NOS: 81
SOFTWARE: PatentIn Ver. 2.1
SSCTWARE: PatentIn Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 60, Application US/10044703
Publication No. US20020192233A1
GENERAL INFORMATION:
APPLICANT: DeGroot, Anne S
TITLE OF INVENTION: Human T Cell Response to MHC-Binding Motif Clusters
FILE REFERENCE: 17999-004 US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
    Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 20;
                                         Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
100.0%; Score 77; DB 15;
Best Local Similarity 100.0%; Pred. No. 3.2e-06;
Matches 15; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 77; DB 9; I Pred. No. 4.3e-06;
; Score 77; DB 14;
; Pred. No. 3.2e-06;
0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 100.0%; Score 77; DE Best Local Similarity 100.0%; Pred. No. 4.3 Matches 15; Conservative 0; Mismatches
                                                                                                                                                                                                             Sequence 2, Application US/10345000
Publication No. US20040018177A1
GENERAL INFORMATION:
TITLE OF INVENTION: VACCINATION METHOD
FILE REFERENCE: 550-4109
CURRENT APPLICATION NUMBER: US/10/345,000
CURRENT FILING DATE: 2003-02-20
NUMBER OF SEQ 1D NOS: 21
SOFTWARE: Patentin version 3.0
SENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               , ORGANISM: Mycobacterium tuberculosis US-10-345-000-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: PRT , ORGANISM: Mycobacterium tuberculosis US-09-813-333-60
Query Match
Best Local Similarity 100.0%;
Matches 15; Conservative 0
                                                                                1 WNFAGIEAAASAIOG 15
                                                                                                                  1 WNFAGIEAAASAIOG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 WNFAGIEAAASAIQG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2 WNFAGIEAAASAIQG 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 WNFAGIEAAASAIQG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 WNFAGIEAAASAIOG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 3
US-09-813-333-60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 4
US-10-044-703-60
                                                                                                                                                                                                  US-10-345-000-2
                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           엄
                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ઠે
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FULCATION NO. USZUGAGUS/991A1

FINDICATION NO. USZUGAGUS/991A1

APPLICANT: Brown University Research Foundation

APPLICANT: DeGroot, Anne S

TILLE OFFICENT: DeGroot, Anne S

FILE REFERENCE: 17999-004-061

CURRENT APPLICATION: Human T Cell Response to MHC-Binding Motif Clusters

FILE REFERENCE: 17999-004-061

CURRENT FILING DATE: 2002-09-19

PRIOR PLILING DATE: 2002-09-19

PRIOR PLILING DATE: 2001-03-20

PRIOR APPLICATION NUMBER: 60/190,834

PRIOR PLILING DATE: 2000-03-20

NUMBER OF SEQ ID NOS: 81

SOFTWARE: Patentin Ver. 2.1

LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-886-349A-33
; Sequence 33, Application US/09886349A
; Publication No. US20040086523A1
; FUBLICAUT: Skeiky, Yasir
; APPLICANT: Reed, Steven
; APPLICANT: Reed, Steven
; APPLICANT: Corixa Corporation
; TILE OF INVENTION: Fusion Proteins of Mycobacterium Tuberculosis
; FILE REFERENCE: 014068-00907008
; CURRENT APPLICATION NUMBER: US/09/886,349A
; CURRENT FILING DATE: 2001-06-20
; PRIOR FILING DATE: 2001-06-20
; PRIOR FILING DATE: 2001-06-20
; RIOR APPLICATION NUMBER: US 60/265,737
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 33
                                                                                                                                                                                                                                                                                                                                                                       ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                              Query Match 100.0%; Score 77; DB 13; Length 20; Best Local Similarity 100.0%; Pred. No. 4.3e-06; Matches 15; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%; Score 77; DB 15; Length 20; 100.0%; Pred. No. 4.3e-06; ive 0; Mismatches 0; Indels
CURRENT APPLICATION NUMBER: US/10/044,703
CURRENT FILING DATE: 2002-05-20
PRIOR APPLICATION NUMBER: 60/190,834
PRIOR FILING DATE: 2000-03-20
NUMBER OF SEQ ID NOS: 81
SOFTWARE: PatentIn Ver. 2.1
SOFTWARE: 20
                                                                                                                                                                                                         ; TYPE: PRT
; ORGANISM: Mycobacterium tuberculosis
US-10-044-703-60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; TYPE: PRT
; ORGANISM: Mycobacterium tuberculosis
US-10-239-103-60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-10-239-103-60; Sequence 60, Application US/10239103; Publication No. US20040057961A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 WNFAGIEAAASAIQG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2 WNFAGIEAAASAIQG 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 WNFAGIEAAASAIQG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity
```

```
Campos Neto, Antonio
Houghton, Raymond
Vedvick, Tommas S.
Twardzik, Daniel R.
Lodes, Michael J.
Hendrickson, Ronald C.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR IMMUNOTHERAPY
AND DIAGNOSIS OF TUBERCULOSIS
                                                                                                                                                                                                                                                                                                                                                                                                       CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
                                                                RESULT 8
US-10-084-843-104
; Sequence 104, Application US/10084843
; Publication No. US20030143243A1
; GENERAL INFORMATION:
 APPLICANT: Reed, Steven G.
 Skeiky, Yasir A.W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                          Skeiky, Yasir A.W. Dillon, Davin C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LENGTH: 51 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEFAX: (206) 682-60.
INFORMATION FOR SEQ ID NO: 104:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES: 355
1 WNFAGIEAAASAIQG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WNFAGIEAAASAIQG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                               CITY: Seattle
STATE: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-10-084-843-104
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches
                    엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ઠે
                                                                                                                                                                            ö
                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    METHODS FOR DIAGNOSIS OF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 77; DB 14; Length 51; 100.0%; Pred. No. 1.2e-05;
                                                                                                                                    100.0%; Score 77; DB 11; Length 51; 100.0%; Pred. No. 1.2e-05;
                                                                                                                                                                        Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STREET: 6300 Columbia Center, 701 Fifth Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/09/072,596
FILING DATE: 05-MAY-1998
ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
RRGISTRATION UNMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.417C9
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Ver
APPLICATION DATA:
APPLICATION NUMBER: US/10/193,002
FILING DATE: 10-Jul-2002
CLASSIFICATION: <UNKNOWN>
                                                                                                                                                                          Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE DESCRIPTION: SEQ ID NO: 99:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Houghton, Raymond
Vedvick, Thomas S.
Twardzik, Daniel R.
Lodes, Michael J.
Hendrickson, Ronald C.
TITLE OF INVENTION: COMPOUNDS AND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TUBERCULOSIS
                                                                                                                                                                                                                                                                                                                                                                                                                         Skeiky, Yasir A.W.
Dillon, Davin C.
Campos-Neto, Antonia
                      TYPE: PRT
ORGANISM: Mycobacterium tuberculosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 99:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                               Sequence 99, Application US/10193002
Publication No. US20030135026A1
GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
                                                                                                                                                                            .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH: 51 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES: 350
                                                                                                                                                                                                                1 WNFAGIEAAASAIQG 15
                                                                                                                                                                                                                                             WNFAGIEAAASAIQG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STATE: Washington
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity luv...
                                                        FEATURE: OTHER INFORMATION: ESAT-6
                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CITY: Seattle
                                                                                                                                Query Match
Best Local Similarity
Matches 15; Conserv
                                                                                              US-09-886-349A-33
                                                                                                                                                                                                                                                                                                                                 US-10-193-002-99
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-10-193-002-99
  LENGTH: 51
                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                     g
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 51;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Indels
                                                SOFTWARE: PatentIn Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Score 77; DB 14;
100.0%; Pred. No. 1.2e-05;
tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                  REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.411C9
TELECOMMUNICATION INFORMATION:
                                                               CURRENT APPLICATION DATA:

RAPLICATION NUMBER: US/10/084,843
FILING DATE: 25-Feb-2002
CLASSIFICATION: «Unknown»
PRIOR APPLICATION DATA:
                                                                                                                                                                                   APPLICATION NUMBER: US/09/072,967
FILING DATE: 05-MAX-1998
ATTORNEY AGENT INFORMATION:
NAME: Maki, David J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 104:
COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 9
US-10-098-732A-33
; Sequence 33, Application US/10098732A
; Publication No. US20030175294A1
; GENERAL INFORMATION:
; APPLICANT: Skelfy, Yasir
; APPLICANT: Brannon, Mark
; APPLICANT: Guderian, Jeffrey
                                                                                                                                                                                                                                                                                                                                                      TELEPHONE: (206) 622-4900
```

Gaps

ö

Indels

0; Mismatches

1 WNFAGIEAAASAIQG 15

Gaps

. 0

```
Twardzik, Daniel R.
Lodes, Michael J.
Hendrickson, Ronald C.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR DIAGNOSIS OF
TUBERCULOSIS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 51;
                                                                                                                                                                              Length 51;
                                                                                                                                                                                                                        Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patementin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
                                                                                                                                                                           100.0%; Score 77; DB 20; 100.0%; Pred. No. 1.2e-05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Score 77; DB 20; 100.0%; Pred. No. 1.2e-05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.417C9
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US/10/193,002
FILING DATE: 10-Jul-2002
APPLICATION NUMBER: US/09/09/072,596
FILING DATE: 05-MAY-1998
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                          Mismatches
                                         TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 104:
US-11-028-898-104
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; SEQUENCE DESCRIPTION: SEQ ID NO: 99:
US-11-082-005-99
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Campos-Neto, Antonia
Houghton, Raymond
Vedvick, Thomas S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: 15-Mar-2005
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 99, Application US/11082005; Publication No. US20050181419A1 GENEAL INFORMATION: APPLICANT: Reed, Steven G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Skeiky, Yasir A.W.
Dillon, Davin C.
                                                                                                                                                                                                                            ó
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               INFORMATION FOR SEQ ID NO: 99:
SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES: 350
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
                                                                                                                                                                                                                                                                                                  1 WNFAGIEAAASAIQG 15
                                                                                                                                                                              Query Match 100.
Best Local Similarity 100.
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEFAX: (206)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                           US-11-082-005-99
                                                                                                                                                                                                                                                                                                                                                                                   RESULT 11
                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
APPLICANT: Corixa Corporation
TITLE OF INVENTION: Heterologous Fusion Protein Constructs Comprising
TITLE OF INVENTION: Leishmania Antigen
FILE REFERENCE: 014058-01201005
CURRENT APPLICATION NUMBER: US/10/098,732A
CURRENT FILING DATE: 2003-04-29
PRIOR FILING DATE: 2001-03-13
PRIOR FILING DATE: 2001-03-13
NUMBER OF SEQ ID NOS: 80
SOFTWARE: Patentin Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Houghton, Raymond
Vedvick, Thomas S.
Twardzik, Daniel R.
Lodes, Michael J.
Hendrickson, Ronald C.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR IMMUNOTHERAPY
AND DIAGNOSIS OF TUBERCULOSIS
                                                                                                                                                                                                                                                                                                                                                                                                                                                       ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CITY: Seartle
CONDTRY: Usa
CONDTRY: USA
CONDTRY: USA
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IDM PC compatible
COMPUTER: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
RPLICATION NUMBER: US/11/028,898
FILING DATE: 03-Jan-2005
CLASSIFICATION: AUNKNOWN>
                                                                                                                                                                                                                                                                                                                                                                                                             Length 51;
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
100.0%; Score 77; DB 14;
Best Local Similarity 100.0%; Pred. No. 1.2e-05;
Matches 15; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RECISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.411C9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/10/084,843
FILING DATE: 03-Jan-2005
APPLICATION NUMBER: US/09/072,967
FILING DATE: 05-MAY-1998
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 104, Application US/11028898
Publication No. US20050136069A1
GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
Skeiky, Yasir A.W.
Dillon, Davin C.
Campos-Neto, Antonio
                                                                                                                                                                                                                                                                                             ORGANISM: Mycobacterium tuberculosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: (206) 682-6
INFORMATION FOR SEQ ID NO: 104
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 WNFAGIEAAASAIQG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               6 WNFAGIEAAASAIQG 20
                                                                                                                                                                                                                                                                                                                                          ; OTHER INFORMATION: ESAT-6
US-10-098-732A-33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-11-028-898-104
                                                                                                                                                                                                                            SEQ ID NO 33
LENGIH: 51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
```

Gaps

ö

```
Sequence 18, Application US/10689921

Publication No. US20040146948A1

GENERAL INFORMATION:
APPLICANT: Britton, Warwick
APPLICANT: Demangel, Caroline
TITLE OF INVENTION: Antignen-Presenting Cells With Antibody Single-Chain Variable
TITLE OF INVENTION: Region Fragments
TITLE OF INVENTION: Region Fragments
FILE REFERENCE: 13311.1002U
CURRENT PILING DATE: 2003-10-17

NUMBER OF SEQ ID NOS: 18
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 18
ILENGTH: 95
                                                                                                                                                                                                                                       Length 95;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 95;
                                                                                                                                                                                                                                                                               Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%; Score 77; DB 18;
100.0%; Pred. No. 2.3e-05;
tive 0; Mismatches 0;
                                                                                                                                                                                                                                     Query Match
100.0%; Score 77; DB 16;
Best Local Similarity 100.0%; Pred. No. 2.3e-05;
Matches 15; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Search completed: August 27, 2005, 00:21:35 Job time : 112.5 secs
PRIOR FILING DATE: 2001-07-10
PRIOR APPLICATION NUMBER: US 60/217,646
PRIOR FILING DATE: 2000-07-10
NUMBER OF SEQ ID NOS: 31
SEQ ID NO 12
LENGTH: 95
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; TYPE: PRT
; ORGANISM: Mycobacterium tuberculosis
US-10-689-921-18
                                                                                                                                                    ; TYPE: PRT
; ORGANISM: Mycobacterium tuberculosis
US-10-332-512A-12
                                                                                                                                                                                                                                                                                                                            1 WNFAGIEAAASAIQG 15
                                                                                                                                                                                                                                                                                                                                                         6 WNFAGIEAAASAIQG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 WNFAGIEAAASAIQG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            6 WNFAGIEAAASAIOG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 100.0
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 15
US-10-689-921-18
                                                                                                                                                                                                                                                                                                                               ð
                                                                                                                                                                                                                                                                                                                                                                     a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-10-332-512A-12

Sequence 12, Application US/10332512A

Sequence 12, Application US/10332512A

Publication No. US20040180056A1

GENERAL INFORMATION:

APPLICANT: BELISLE, John T.

TITLE OF INVENTION: MID-LIFE VACCINE AND METHODS FOR BOOSTING ANTI-MYCOBACTERIAL IMMU
FILE REFERENCE: 38661-186292.

CURRENT APPLICATION NUMBER: US/10/332,512A

CURRENT FILING DATE: 2003-01-10

PRIOR APPLICATION NUMBER: PCT/US01/21717
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 1, Application US/09872505
Publication No. US20040013685A1
GENERAL INFORMATION:
APPLICANT: Statens Serum Institut
TITLE OF INVENTION: Nucleic Acid Fragments Derived From M. Tuberculosis FILE REFERENCE: 670001-2002.6
CURRENT APPLICATION NUMBER: US/09/872,505
CURRENT PILING DATE: 2001-06-01
NUMBER OF SEQ ID NOS: 12
SOPTWARE: Patentin version 3.0
SEQ ID 0.1
  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 95;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 100.0%; Score 77; DB 9; Length 95; Best Local Similarity 100.0%; Pred. No. 2.3e-05; Matches 15; Conservative 0; Mismatches 0; Indels
      Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
                                                                                                                                                                                     Sequence 1, Application US/09805427A
Patent No. US20020176867A1
GENERAL INFORMATION:
APPLICANT: Statens Serum Institut
TITLE OF INVENTION: Hybrids of M. tuberculosis Antigens
FILE REFERENCE: 670001-2002.5
CURRENT APPLICATION NUMBER: US/09/805,427A
CURRENT FILING DATE: 2001-03-13
NUMBER OF SEQ ID NOS: 12
SOFTWARE: PatentIn version 3.0
      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
100.0%; Score 77; DB 11;
Best Local Similarity 100.0%; Pred. No. 2.3e-05;
Matches 15; Conservative 0; Mismatches 0;
    Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT ORGANISM: Mycobacterium tuberculosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         , ORGANISM: Mycobacterium tuberculosis
US-09-872-505-1
    Ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              6 WNFAGIEAAASAIQG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 WNFAGIEAAASAIQG 15
                                               1 WNFAGIEAAASAIQG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 WNFAGIEAAASAIQG 15
                                                                                     6 WNFAGIEAAASAIQG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      6 WNFAGIEAAASAIOG 20
    15; Conservative
                                                                                                                                                                            US-09-805-427A-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-805-427A-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 13
US-09-872-505-1
                                                                                                                                                                                                                                                                                                                                                                                                                  SEQ ID NO 1
LENGTH: 95
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH:
      Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 14
                                               ઠે
                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠે
```

ö

Gaps

ö

THIS PAGE BLANK (USPTO)

سإ

```
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
```

OM protein - protein search, using sw model

August 26, 2005, 23:40:16; Search time 30 Seconds (without alignments) 37.325 Million cell updates/sec Run on:

US-09-830-839-6

1 WNFAGIEAAASAIQG 15 Title: Perfect score: Sequence:

BLOSUM62 Gapop 10.0 , Gapext 0.5 Scoring table:

513545 seqs, 74649064 residues Searched:

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

/cgn2\_6/ptodata/1/iaa/5A\_COMB.pep:\*
/cgn2\_6/ptodata/1/iaa/5B\_COMB.pep:\*
/cgn2\_6/ptodata/1/iaa/6A\_COMB.pep:\*
/cgn2\_6/ptodata/1/iaa/6B\_COMB.pep:\*
/cgn2\_6/ptodata/1/iaa/PcTUS\_COMB.pep:\*
/cgn2\_6/ptodata/1/iaa/PcTUS\_COMB.pep:\* Issued Patents AA:\* Database :

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

STIMMARTES

ö

Gapa

ö

***************************************	Sequence 5182, Ap Sequence 29729, A
US-09-252-991A-20838 US-09-902-540-11561 US-09-252-991A-21335 US-09-252-991A-2135 US-09-252-991A-25552 US-09-258-092-77 US-09-489-039A-10933 US-09-489-039A-13907 US-09-489-039A-1353 US-09-489-039A-13753 US-09-489-039A-13753 US-09-489-039A-13753 US-09-489-039A-13753 US-09-489-039A-13753 US-09-489-039A-13753 US-09-489-039A-13753 US-09-499-016-9799 US-09-248-796A-25512 US-09-248-016-6719	US-09-543-681A-5182 US-09-252-991A-29729
<b>~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ </b>	4 4
475 898 947 947 11138 1238 323 323 323 348 369 429 429 483 578 630	1534 467
4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	46.8 46.1
	36 35.5
2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	44 5 5

## ALIGNMENTS

```
APPLICANT: Reed, Steven G.
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Steiky, Yasir A.W.
APPLICANT: Campos-Netc, Antonio
APPLICANT: Campos-Netc, Antonio
APPLICANT: Houghton, Raymond
APPLICANT: Twards, Thomas S.
APPLICANT: Twardzik, Daniel R.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR IMMUNOTHERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF TUBERCULOSIS
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 100.0%; Score 77; DB 3; Length 51; Best Local Similarity 100.0%; Pred. No. 1.6e-06; Matches 15; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Floppy disk
COMPUTER: Eloppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/818,112
FILING DATE: 13-MAR-1997
CLASSIFICATION: 424
                                                                                                                                                                                                                                                                                                                                                                                                              6300 Columbia Center, 701 Fifth Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          REFERENCE/DOCKET NUMBER: 210121.411C6
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
                  ; Sequence 104, Application US/08818112; Patent No. 6290969; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                    SEED and BERRY LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATTORNEY AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     INFORMATION FOR SEQ ID NO: 104:
SEQUENCE CHARACTERISTICS:
LENGTH: 51 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               single
                                                                                                                                                                                                                                                                                                                                                                                                         STREET: 6300 Columb
CITY: Seattle
STATE: Washington
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: amino a STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                 ADDRESSEE:
US-08-818-112-104
```

ઠે

```
TUBERCULOSIS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
APPLICANT: Reed, Yasir A.W.
APPLICANT: Brein, Yasir A.W.
APPLICANT: Campos-Neto, Antonia
APPLICANT: Houghton, Raymond
APPLICANT: Houghton, Raymond
APPLICANT: Twardzik, Daniel R.
APPLICANT: Twardzik, Daniel R.
APPLICANT: Codes, Michael J.
APPLICANT: Compounds Nichael J.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR DIAGNOSIS OF
UNDERRO OF SEQUENCES: 350
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 100.0%; Score 77; DB 3; Length 51; Best Local Similarity 100.0%; Pred. No. 1.6e-06; Matches 15; Conservative 0; Mismatches 0; Indels
                                                                                                                       OPERATING SYSTEM: PC-LUOS/MS-LUOS
SOUTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/056,556
FILING DATE: 07-APR-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REFERENCE/DOCKET NUMBER: 210121.457
FELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 692-4900
TELEPHONE: (206) 692-6031
INFORMATION FOR SEQ ID NO: 104: SEQUENCE CHARACTERISTICS:
LENGTH: 51 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
APPLICATION DATA:
APPLICATION NUMBER: US/09/072,596
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      6300 Columbia Center, 701 Fifth Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ATTORNEY AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.417C9
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE: 05-MAY-1998
CLASSIFICATION:
                                ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 99, Application US/09072596 Patent No. 6458366
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEED and BERRY LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         6 WNFAGIEAAASAIQG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 WNFAGIEAAASAIQG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

US-09-056-556-104
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STREET: 6300 Columb
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 4
US-09-072-596-99
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TREATM
                                                                                                                                                                                                                                                                                                                                      TUBERCULOSIS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 104, Application US/09056556
Sequence 104, Application US/09056556
Betent No. 6350456
GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
APPLICANT: Skeiky, Yaaix A.W.
APPLICANT: Dillon, Davin C.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE PREVENTION AND NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   .,
                                                                                                                                                                                        APPLICANT: Reed, Steven G.
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Dillon, Davin C.
APPLICANT: Campos-Neto, Antonia
APPLICANT: Houghton, Raymond
APPLICANT: Twardix, Thomas S.
APPLICANT: Twardix, Daniel R.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR DIAGNOSIS OF
NUMBER OF SEQUENCES: 148
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 51;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 77; DB 3; Length 51
100.0%; Pred. No. 1.6e-06;
iive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 99, Application US/08818111
Patent No. 6338852
GENERAL INFORMATION:
                        6 WNFAGIEAAASAIQG 20
  1 WNFAGIEAAASAIQG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 WNFAGIEAAASAIQG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               6 WNFAGIEAAASAIQG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 100.0
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; TOPOLOGY: linear
US-08-818-111-99
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 3
US-09-056-556-104
                                                                                                              US-08-818-111-99
```

ò 셤

```
Sequence 2, Application US/08465640 Patent No. 5955077
WNFAGIEAAASAIQG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     , MOLECULE TYPE: protein US-08-465-640-2
                                                                                                                                                                                                                                                                                                STREET: 419 Seven
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
nes 15; Conserv
                                                                                                                                                                                                                                                                                                                                     STATE: D.C.
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY:
                                                      RESULT 6
US-08-465-640-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Houghton, Raymond
APPLICANT: Wedvick, Thomas S.
APPLICANT: Wedvick, Thomas S.
APPLICANT: Wedvick, Daniel R.
APPLICANT: Lodes, Michael J.
APPLICANT: Hendrickson, Ronald C.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR IMMUNOTHERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF TUBERCULOSIS
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                   Score 77; DB 4; Length 51;
Pred. No. 1.6e-06;
Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
100.0%; Score 77; DB 4; Length 51;
Best Local Similarity 100.0%; Pred. No. 1.6e-06;
Matches 15; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CITY: Searche
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER REDABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/072,967
FILING DATE: 05-MAY-1998
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              8: SEED and BERRY LLP
6300 Columbia Center, 701 Fifth Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.411C9
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEPAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 104:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                        0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                          Sequence 104, Application US/09072967
Patent No. 6592877
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Reed, Steven G.
Skeiky, Yasir A.W.
Dillon, Davin C.
Campos-Neto, Antonio
Houghton, Raymond
Vedvick, Thomas S.
                                                                                                                                                                                   Query Match
Best Local Similarity 100.0%;
Matches 15; Conservative 0
(206) 622-4900
         INFORMATION FOR SEQ ID NO: 99 SEQUENCE CHARACTERISTICS: LENGTH: 51 amino acids TYPE: amino acids STRANDEDNESS: single
                                                                                                                                                                                                                                                             1 WNFAGIEAAASAIQG 15
                                                                                                                                                                                                                                                                                                6 WNFAGIEAAASAIQG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       51 amino acids
                                                                                                                          ; TOPOLOGY: linear
US-09-072-596-99
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: amino acid
STRANDEDNESS: si
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              linear
TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE:
STREET: 63
                                                                                                                                                                                                                                                                                                                                                     RESULT 5
US-09-072-967-104
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-072-967-104
                                                                                                                                                                                                                                                             Š
                                                                                                                                                                                                                                                                                                g
```

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: OETTINGER, Thomas
APPLICANT: RASMUSSEN, Peter Birk
APPLICANT: ROSENKRANDS, Ida
APPLICANT: WELDINGH, Karin
APPLICANT: PLORIO, Walter
TITLE OF INVENTION: NUCLEIC ACIDS FRAGMENTS AND POLYPEPTIDE FRAGMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 95;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OFFRAING SYSTEM: PC-DUS/MS-DUS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/465,640
FILING DATE: 05-JUN-1995
PRIOR APPLICATION NUMBER: US 08/123,182
PRIOR APPLICATION NUMBER: US 08/123,182
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/DK94/00273
FILING DATE: 01-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: COOPER, IVER P
REGISTRATION NUMBER: 28,005
REGISTRATION NUMBER: 28,005
REFERENCE/POCKET NUMBER: 28,005
REFERENCE/POCKET NUMBER: 28,005
REFERENCE/POCKET NUMBER: 28,005
REFERENCE/POCKET NUMBER: 28,005
RELEPHONE: 202-628-5197
TELLEPAN: 202-628-5197
TELLEPAN: 202-737-3528
TELLEPAN: 202-737-3528
TELLEPAN: SEQUENCE CHARACTERISTICS:
LENGTH: 95 amino acids
TVPR: Amino acids
TVPR: Amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; Score 77; DB 2; I
100.0%; Pred. No. 3.3e-06;
tive 0; Mismatches 0;
                                                                                                                                                                                                                                E: Browdy and Neimark
419 Seventh Street, N.W., Suite 300
GENERAL INFORMATION:
APPLICANT: ANDERSEN, Ase Bengaard
APPLICANT: HANDERSEN, Ase Bengaard
APPLICANT: HASLOV, Kaare
APPLICANT: SORENSEN, Anne Lund
ITILE OF INVENTION: TUBERCULOSIS VACCINE
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: Browdy and Neimark
                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-050-739-173
; Sequence 173, Application US/09050739
; Patent No. 6641814
; Patent No. 741814
; APPLICANT: ANDERSEN, Peter
; APPLICANT: NIELSEN, Rikke
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 WNFAGIEAAASAIQG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WNFAGIEAAASAIOG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
```

1 WNFAGIEAAASAIQG 15

```
LENGTH: 556
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-050-739-172

US-09-050-739-172

Sequence 172, Application US/09050739

Patent No. 6641814

GENERAL INFORMATION:

APPLICANT: ANDERSEN, Peter

APPLICANT: OSTTINGER, Thomas

APPLICANT: RESUMINER, Peter Birk

APPLICANT: RASHUSER, Peter Birk

APPLICANT: ROSENKRANDS, Ida

APPLICANT: ROSENKRANDS, Ida

APPLICANT: ROSENKRANDS, Ida

APPLICANT: ROSENKRANDS, Ida

APPLICANT: FLORIO, Walter

TITLE OF INVENTION: DALIET

TITLE OF INVENTION: DALIET

TITLE OF INVENTION: DALIET: 1990-03-30

CURRENT APPLICATION NUMBER: US/09/050,739

CURRENT APPLICATION NUMBER: 1277/97

EARLIER FILING DATE: 1997-04-02

EARLIER PELLING DATE: 1997-04-18

EARLIER APPLICATION NUMBER: 60/044,624

EARLIER APPLICATION NUMBER: 60/070,488

EARLIER PELLING DATE: 1998-01-05

NUMBER: OS ENQ ID NOS: 173

COFFWANDER: DELACATION NUMBER: 60/070,488

EARLIER PELLING DATE: 1998-01-05

NUMBER: OS ENQ ID NOS: 173

COFFWANDER: DELACATION NUMBER: 60/070,488
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 100.0%; Score 77; DB 4; Length 404; Best Local Similarity 100.0%; Pred. No. 1.8e-05; Matches 15; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Score 77; DB 4; Length 403; 100.0%; Pred. No. 1.8e-05; tive 0; Mismatches 0; Indels
TITLE OF INVENTION: DERIVED FROM M. TUBERCULOSIS
     TITLE OF INNEWILOW: DEALAND.
FILE REFERENCE: 670001-2002.
CURRENT APPLICATION NUMBER: US/09/050,739
CURRENT FILING DATE: 1998-03-30
EARLIER APPLICATION NUMBER: 1277/97
EARLIER FILING DATE: 1997-04-02
EARLIER FILING DATE: 1997-04-04
EARLIER FILING DATE: 1997-04-18
EARLIER FILING DATE: 1997-04-18
EARLIER FILING DATE: 1997-04-18
EARLIER FILING DATE: 1998-01-05
SARIER FILING DATE: 1998-01-05
SARIER FILING DATE: 1998-01-05
SARIER FILING DATE: 1998-01-05
SARIER FILING DATE: 1998-01-05
SOFTWARE: PALENTIN VOIC: 2.0
SEQ ID NO 173
LENGTH: 403
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Mycobacterium tuberculosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM: Mycobacterium tuberculosis US-09-050-739-173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              315 WNFAGIEAAASAIQG 329
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 WNFAGIEAAASAIQG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 WNFAGIEAAASAIQG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                27 WNFAGIEAAASAIQG 41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 172
LENGTH: 404
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 100.
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-050-739-172
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
```

US-09-252-991A-17793

RESULT 9

```
GENERAL INFORMATION:
APPLICANT: Griffais, R.
APPLICANT: Griffais, R.
TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, prever TITLE OF INVENTION: and treatment of infection
TITLE OF INVENTION: and treatment of infection
FILE REFERENCE: 9710-003-999
CURRENT APPLICATION NUMBER: US/09/198,452A
CURRENT FILING DATE: 1998-11-24
NUMBER OF SEQ ID NOS: 6849
     PATENT NO. 6551795

GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS TITLE OF INVENTION: AREUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REPERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT PELIOR DATE: 1999-02-18
PRIOR FILING DATE: 1998-02-18
PRIOR FILING DATE: 1998-02-18
PRIOR FILING DATE: 1998-02-18
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 17793
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
APPLICANT: Goldman, Barry S.
APPLICANT: Hinch, Gregory J.
APPLICANT: Hinch, Gregory J.
APPLICANT: Hinch, Gregory J.
APPLICANT: Wiegand, Roger C.
TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
FILE REFERENCE: 38-10(15849)B
FILE REFERENCE: 38-10(15849)B
CURRENT APPLICATION NUMBER: US/09/902,540
CURRENT FILING DATE: 2001-07-10
PRIOR FILING DATE: 2000-07-10
NUMBER OF SEQ ID NOS: 16825
SEQ ID NO 13488
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 4; Length 556;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 42; DB 4; Length 116;
Pred. No. 5.8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 55.2%; Score 42.5; D
Best Local Similarity 40.9%; Pred. No. 30;
Matches 9; Conservative 2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               3; Mismatches
Sequence 17793, Application US/09252991A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; Sequence 13488, Application US/09902540; Patent No. 6833447
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 11
2.09-198-452A-554
; Sequence 554, Application US/09198452A
; Patent No. 6559294
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 534 WNPLRHLEALGGVEAAAKIVQG 555
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 WN-----FAGIEAASAIQG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      , ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-17793
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       54.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ) ORGANISM: Myxococcus xanthus US-09-902-540-13488
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 WNFAGIEAAASAIQ 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            37 WNTRGLEALEAAVO 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 50.0
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-902-540-13488
```

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                              Sequence 113 Application US/09724623
; Sequence 113 Application US/09724623
; Patent No. 6476209
; GENERAL INFORMATION:
APPLICANT: Glenn, Matthew
; APPLICANT: Lubbers, Mark W
APPLICANT: Lubbers, James
; TITLE OF INVENTION: Polymucleotides, materials incorporating
; TITLE OF INVENTION: Polymucleotides, materials incorporating
; TITLE OF INVENTION: Polymucleotides, materials incorporating
; TITLE OF INVENTION: 104801
; FILE REFERENCE: 104801
; CURRENT FILING DATE: 2000-11-28
; NUMBER OF SEQ ID NOS: 124
; SOFTWARE: RastSEQ for Windows Version 4.0
; SEQ ID NO 113
LENGTH: 282
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ;
0
                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             51.9%; Score 40; DB 3; Length 2293; 42.9%; Pred. No. 4.3e+02; tive 4; Mismatches 4; Indels
                                                                                                                                                        Score 41; DB 4; Length 149;
Pred. No. 12;
2; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   53.2%; Score 41; DB 4; Length 282; 57.1%; Pred. No. 25; tive 2; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-368-590-2
; Sequence 2, Application US/09368590
; Patent No. 6187563;
; GENERAL INFORMATION:
; APPLICANT: Solimena, Michele
; TITLE OF INVENTION: INTERACTING POLYPEPTIDES FOR
; TITLE OF INVENTION: AUTOANTIGENS OF AUTOIMMUNE DISEASES;
; FILE REFERENCE: 101918-200 (OCR-941)
; CURRENT APPLICATION NUMBER: US/09/368,590
; CURRENT FILING DATE: 1999-08-04
; EARLIER FILING DATE: 1999-08-07
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSEQ for Windows Version 3.0
SOFTWARE: FastSEQ for Windows Version 4.0 SEQ ID NO 265
LENGTH: 149
                                                                  TYPE: PRT ORGANISM: Lactobacillus rhamnosus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; ORGANISM: Lactobacillus rhamnosus US-09-724-623-113
                                                                                                                                                          Query Match
Best Local Similarity 57.1%;
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           191 NIAGVEAAAQGLFG 204
                                                                                                                                                                                                                                                    2 NFAGIEAAASAIQG 15
                                                                                                                                                                                                                                                                              | ||:|||| : |
67 NIAGVEAAAQGLFG 80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2 NFAGIEAAASAIQG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 WNFAGIEAAASAIQ 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 42.3%
Local Similarity 6.5 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
The B; Conserve
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Human
                                                                                                                                                                                                                                                                                                                                                                    RESULT 14
US-09-724-623-113
                                                                                                               US-09-634-238-265
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQ ID NO 2
LENGTH: 2293
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-368-590-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT
                                                                                                                                                                                                                                                                                               원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      셤
                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ઠે
                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Glenn, Matthew
APPLICANT: Glenn, Matthew
APPLICANT: Glenn, Matthew
APPLICANT: Bokksberg, Leonard, N.
APPLICANT: Lubbers, Mark W.
APPLICANT: Lubbers, Mark W.
APPLICANT: Christensson, Anna C.
APPLICANT: Christensson, Anna C.
APPLICANT: Christensson, Anna C.
APPLICANT: Christensson, Anna C.
APPLICANT: Cololear, Timothy
TITLE OF INVENTION: them and methods for using them.
FIRE REPREBRUCE: 11000.1043U1
CURRENT APPLICATION NUMBER: US/09/634,238
CURRENT FILING DATE: 2000-08-08
NUMBER OF SEQ ID NOS: 422
                                                                                                                                                                                  ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INCORMATION:
APPLICANT: Stephens, Richard
APPLICANT: Stephens, Richard
APPLICANT: Mitchell, Wayne
APPLICANT: Kalman, Sue
APPLICANT: Tale Regents of the University of California
APPLICANT: The Regents of the University of California
TITLE OF INVENTION: Chlamydia Pneumoniae Genome Sequence
FILE REFERENCE: 018941-000411US
CURRENT APPLICATION NUMBER: US/09/438,185A
CURRENT FILING DATE: 2002-03-13
PRIOR PILING DATE: 1998-11-12
PRIOR PLING DATE: 1998-11-12
PRIOR APPLICATION NUMBER: US 60/128,606
PRIOR PLING DATE: 1999-04-08
NUMBER OF SEQ ID NOS: 1074
SOFTWARE: PSSESSEQ for Windows Version 3.0
SEQ ID NO 515
LENGTH: 413
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 54.5%; Score 42; DB 4; Length 413; Best Local Similarity 77.8%; Pred. No. 26; Matches 7; Conservative 1; Mismatches 1; Indels
                                                                                                                                     Score 42; DB 4; Length 409;
Pred. No. 25;
                                                                                                                                                                                  1; Indels
                                                                                                                                                                                  1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                     Sequence 515, Application US/09438185A Patent No. 6822071
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 265, Application US/09634238
Patent No. 6544772
PERERAL INFORMATION:
APPLICANT: Glenn, Matthew
                                                                  ORGANISM: Chlamydia pneumoniae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: Chlamydia pneumoniae
                                                                                                                                     54.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        OTHER INFORMATION: CPn0513
                                                                                                                                                        Best Local Similarity 77.8
Matches 7; Conservative
                                                                                                                                                                                                                                                         1|: |||||
345 WNYLGIEAA 353
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ||: |||||
349 WNYLGIEAA 357
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 WNFAGIEAA 9
                                                                                                                                                                                                                               1 WNFAGIEAA 9
                                                                                     US-09-198-452A-554
                                                                                                                                                                                                                                                                                                                                                               US-09-438-185A-515
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-438-185A-515
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 13
US-09-634-238-265
  ; SEQ ID NO 554
; LENGTH: 409
                                          TYPE: PRT
                                                                                                                                     Query Match
                                                                                                                                                                                                                               ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
```

ö

ö

720 WRLSGLEAALQALE 733

qq

Search completed: August 27, 2005, 00:04:23 Job time : 31 secs

```
Sequence 1, Appli
Sequence 33, Appl
Sequence 99, Appl
Sequence 104, App
Sequence 33, Appl
Sequence 104, App
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 79, Appl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                       August 26, 2005, 23:58:53; Search time 111.5 Seconds (without alignments) 52.860 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-10-079-167-79
US-10-345-000-1
US-09-886-349A-33
US-10-193-002-99
US-10-084-843-104
US-11-028-898-104
US-11-082-005-99
US-09-805-477A-1
US-09-805-477A-1
US-09-805-477A-1
US-09-805-477A-1
US-09-805-477A-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1767149 segs, 392926209 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Post-processing: Minimum Match 0% .
Maximum Match 100%
Listing first 45 summaries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Published_Applications_AA:*
                                                                                                                  OM protein - protein search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                   BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                        1 MTEQQWNFAGIEAAA 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ΩÏ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Minimum DB seq length: 0
Maximum DB seq length: 200000000
                                                                                                                                                                                                                                                                                    US-09-830-839-1
79
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query
Match Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1000.0
1000.0
1000.0
1000.0
1000.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               11122 ... 1129 ... 1129 ... 1129 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 1291 ... 129
                                                                                                                                                                                                                                                                                                Title:
Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                      Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    00000000000000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Database :
                                                                                                                                                                                                                                                                                                                                                           Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Searched:
                                                                                                                                                                             Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Result
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Š.
```

Segmence 18. Appl	173,	Sequence 4, Appli	_	4,	-	172	Sequence 3, Appli	Sequence 172, App	Sequence 3, Appli	Sequence 172, App	Sequence 60, Appl	Sequence 60, Appl	Sequence 60, Appl	Sequence 80, Appl	Sequence 2, Appli	Sequence 69721, A	ŭ	Sequence 59, Appl	Sequence 59, Appl	6	Sequence 61, Appl	•	٠,	Sequence 554, App	167	18		34	Sequence 76999, A	Sequence 193261,	Seguence 4782, Ap	н	Sequence 42935, A
-10-689-921-18		US-09-805-427A-4 S		-09-872-505-4							US-09-813-333-60					721							US-10282-122A-51365		73	330		310			782	US-10-282-122A-68011	10
95 18 IIS-	6	403 9 US-(	10	11	16	σ	σ	10	404 11 US-	16	20 9 US-(	0 13	0 15	14	12	15	σ	13	15	σ	13	15	911 15 US-	15	12	16	14	16	12	9	6	12	16 US
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0				68.4	68.4	60.8	54.4	54.4	54.4	54.4	54.4	54.4	54.4	53.2	53.2	51.9	51.9						
12 79	13 79	14 79					a	0	_	7		4	2		7	80	6	0		7								4	4	4	4	44 40	45 39

## ALIGNMENTS

```
GENERAL INFORMATION:
APPLICANT: Hill, Adrian V.S.
APPLICANT: McShane, Helen
APPLICANT: Glibert, Sarah C.
APPLICANT: Reece, William
APPLICANT: Schneider, Joerg
TITLE OF INVENTION: Vaccination Method
FILE REFERENCE: 2907.1000-001
CURRENT APPLICATION NUMBER: US/10/079,167
CURRENT FILING DATE: 1999-12-09
FRIOR APPLICATION NUMBER: OS 09/454,204
PRIOR FILING DATE: 1998-06-09
FRIOR FILING DATE: 1998-06-09
FRIOR FILING DATE: 1997-06-09
FRIOR FILING DATE: 1997-06-09
FRIOR FILING DATE: 2001-09-13
FRIOR FILING DATE: 2001-09-13
FRIOR FILING DATE: 2001-09-13
FRIOR FILING DATE: 2001-09-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; FEATURE:
; OTHER INFORMATION: T cell epitope in ESAT6
US-10-079-167-79
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQ ID NOS: 99
SOFTWARE: FastSEQ for Windows Version 4.0
             Sequence 79, Application US/10079167
Publication No. US20030138454A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
ORGANISM: Unknown
US-10-079-167-79
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQ ID NO 79
```

Sequence 1, Appli Sequence 1, Appli Sequence 12, Appl

Sequence 99,

```
RESULT 5
US-10-084-843-104
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-10-193-002-99
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                          ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 3

US-09-886-349A-33

US-09-886-349A-33

Sequence 33, Application US/0986349A

Publication No. US20040086523A1

GENERAL INFORMATION:

APPLICANT: Skeiky, Yasir

APPLICANT: Reed, Steven

APPLICANT: Alderson, Mark

APPLICANT: Alderson, Mark

APPLICANT: Alderson, Mark

CONIXA COPINGENT FURION Freion Proteins of Mycobacterium Tuberculosis

FILE REFERENCE: 014058-009070US

CURRENT APPLICATION NUMBER: US 09/597,796

PRIOR APPLICATION NUMBER: US 09/597,796

PRIOR APPLICATION NUMBER: US 09/597,796

PRIOR APPLICATION NUMBER: US 00/265,737

PRIOR APPLICATION NUMBER: US 00/265,737

NUMBER OF SEQ ID NOS: 50

SOUTHWARE: PatentIn Ver. 2.1

SEQ ID NO 33

LENGTH: 51
                                          ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 51;
    Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 15;
                                       Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 79; DB 15;
Pred. No. 1.2e-06;
; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Score 79; DB 11;
100.0%; Pred. No. 4.3e-06;
iive 0; Mismatches 0;
  Score 79; DB 14;
Pred. No. 1.2e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 100.0%; Score 79; DE
Best Local Similarity 100.0%; Pred. No. 1.2
Matches 15; Conservative 0; Mismatches
                                          Mismatches
                                                                                                                                                                                                                  Sequence 1, Application US/10345000
Publication No. US20040018177A1
GENERAL INFORMATION:
APPLICANT: OXXON PHARMACCINES LIMITED
TITLE OF INVENTION: VACCINATION METHOD
FILE REFERENCE: 550-409
CURRENT APPLICATION NUMBER: US/10/345,000
CURRENT FILING DATE: 2003-02-20
NUMBER OF SEQ ID NOS: 21
SOFTWARE: Patentin version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: Mycobacterium tuberculosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ORGANISM: Mycobacterium tuberculosis
Query Match 100.0%; S. Best Local Similarity 100.0%; P. Matches 15; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 MTEQQWNFAGIEAAA 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 MTEQOWNFAGIEAAA 15
                                                                               1 MTEQOWNFAGIEAAA 15
                                                                                                                       1 MTEQOWNFAGIEAAA 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 MTEQOWNFAGIEAAA 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 MTEQOWNFAGIEAAA 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 100...
Local Similarity 100...
Lines 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OTHER INFORMATION: ESAT-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-886-349A-33
                                                                                                                                                                                                     US-10-345-000-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-10-345-000-1
                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQ ID NO 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                     LENGIH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ð
                                                                                    ò
                                                                                                                     임
```

RESULT 4

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                 Skeiky, Yasir A.W.

Skeiky, Yasir A.W.

Dillon, Davin C.

Campos-Neto, Antonia
Houghton, Raymond
Vedvick, Thomas S.

Twardzik, Daniel R.

Lodes, Michael J.

Hendrickson, Ronald C.

TITLE OF INVENTION: COMPONDDS AND METHODS FOR DIAGNOSIS OF
TUTLE OF INVENTION: COMPONDDS AND METHODS FOR DIAGNOSIS OF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 79; DB 14; Length 51; 100.0%; Pred. No. 4.3e-06; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COUNTRY: USA

COMPUTER READABLE PORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
COMPUTER: SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                       CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.417C9
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/193,002
FILING DATE: 10-0ul-2002
CLASSIFICATION: «Unknown»
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/072,596
FILING DATE: 05-WAY-1998
ATTORNEY/AGENT INFORMATION:
NAME: MAK!, DAVIG J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 99:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Skeiky, Yasir A.W.
Dillon, Davin C.
Campos-Neto, Antonio
Houghton, Raymond
Vedvick, Thomas S.
Twardzik, Daniel R.
Lodes, Michael J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 104, Application US/10084843
Publication No. US20030143243A1
GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEPHONE: (206) 622-4900
US-10-193-002-99; Application US/10193002; Bequence 99; Application US/2030135026A1; Publication No. US20030135026A1; GENERAL INFORMATION: APPLICANT: Reed, Steven G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           682-6031
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LENGTH: 51 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: (206) 682-6
INFORMATION FOR SEQ ID NO: 99:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES: 350
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 MTEQOWNFAGIEAAA 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MTEQOWNFAGIEAAA 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CITY: Seattle
STATE: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sest Local Similarity
```

Gaps

ö

```
Houghton, Raymond
Vedvick, Thomas S.
Twardzik, Daniel R.
Lodds, Michael J.
Hendrickson, Ronald C.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR IMMUNOTHERAPY
AND DIAGNOSIS OF TUBERCULOSIS
                        Length 51;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CITY: Seattle
CITY: Seattle
COUNTRY: USA
COUNTRY: USA
COUNTRY: USA
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/11/028,898
FILING DATE: 03-Jan-2005
CLASSIFICATION: vUnknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 51;
                                                                   Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Score 79; DB 20;
100.0%; Pred. No. 4.3e-06;
iive 0; Mismatches 0;
                   Score 79; DB 14;
Pred. No. 4.3e-06;
Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.411C9
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/10/084,843
FILING DATE: 03-Jan-2005
APPLICATION NUMBER: US/09/072,967
PILING DATE: 05-MAX-1998
ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 104:
                                                                                                                                                                                                                                                                                                                                                   Skeiky, Yasir A.W.
Dillon, Davin C.
Campos-Neto, Antonio
                                                                                                                                                                                                                                 RESULT 7
US-11-028-898-104
; Sequence 104, Application US/11028898
; Publication No. US20050136069A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEPHONE: (206) 622-4900
                     Query Match
100.0%; S
Best Local Similarity 100.0%; P
Matches 15; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    INFORMATION FOR SEQ ID NO: 104: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEOUENCES: 355
                                                                                                                                                             1 MTEQOWNFAGIEAAA 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity 100.
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Reed,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-11-028-898-104
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 33, Application US/10098732A

Sequence 33, Application US/20030175294A1

GENERAL INFORMATION:
APPLICANT: Skeiky, Yasir
APPLICANT: Brannon, Mark
APPLICANT: Goderian, Jeffrey
APPLICANT: Gorac Corporation
TITLE OF INVENTION: Heterologous Fusion Protein Constructs Comprising a
TITLE OF INVENTION: Leishmania Antigen
FILE REPRENCE: 04058-012010US
CURRENT APPLICATION NUMBER: US/10/098,732A
CURRENT FILING DATE: 2003-04-29
PRIOR APPLICATION NUMBER: US 60/275,837
PRIOR FILING DATE: 2001-03-13
NUMBER OF SEQ ID NOS: 80

SOFTWARE: Patentin Ver. 2.1
                        METHODS FOR IMMUNOTHERAPY OF TUBERCULOSIS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Score 79; DB 14; Length 51; 100.0%; Pred. No. 4.3e-06;
                                                                                                                                                                                                                               ZIP: 98104-7092

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/084,843
FILING DATE: 25-Feb-2002
CLASSIFICATION: vUnknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Indels
                                                                                         CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.411C9
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEPAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 104:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/072,967
FILING DATE: 05-MAY-1998
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: linear SEQUENCE DESCRIPTION: SEQ ID NO: 104:
Hendrickson, Ronald C.
TITLE OF INVENTION: COMPOUNDS AND
AND DIAGNOSIS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
ORGANISM: Mycobacterium tuberculosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LENGTH: 51 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: amino acid
STRANDEDNESS: single
                                                                      NUMBER OF SEQUENCES: 355
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 MTEQOWNFAGIEAAA 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 MTEÓÓWNFAGIEAAA 15
                                                                                                                                                                                      STATE: Washington
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity 100.
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; FEATURE:
; OTHER INFORMATION: ESAT-6
US-10-098-732A-33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-10-084-843-104
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQ ID NO 33
LENGTH: 51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ઠે
```

```
NUMBER OF SEQ ID NOS: 12
SOFTWARE: Patentin version 3.0
SEQ ID NO
LENGTH: 95
                                                                                                                                                                                                            1 MTEQOWNFAGIEAAA 15
                                                                                                                                                                                                                                            1 MTEQOWNFAGIEAAA 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 MTEQOWNFAGIEAAA 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 MTEQOWNFAGIEAAA 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 MTEQOWNFAGIEAAA 15
                                                                                                                                       Query Match
Best Local Similarity 100.
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 100.
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 100.
Best Local Similarity 100.
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-10-332-512A-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-10-332-512A-12
                                                                                                                                                                                                                                                                                                                   US-09-872-505-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQ ID NO 12
LENGTH: 95
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: PRT
                                                                                                                                                                                                                                                                                                 RESULT 10
                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                            d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ଚ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                              Sequence 99, Application US/11082005
Publication No. US20050181419A1
GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
Skeiky, Yasir A.W.
Dillon, Davin C.
Campos-NetCo, Antonia
Houghton, Raymond
Vedvick, Thomas S.
Twardzik, Daniel R.
Lodes, Michael J.
Hendrickson, Ronald C.
TITLE OF INVENTION: TUBERCULOSIS OF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ;
0
                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/11/082,005
FILING DATE: 15-Mar-2005
CLASSIFICATION NUMBER: US/10/193,002
FILING DATE: 10-Mul-2002
FILING DATE: 05-May-1998
ATTORNEY AGENT INFORMATION:
NAME: MAKI, DAVIG J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.417C9
TELEFORMUNICATION INFORMATION:
TELEFARE: (206) 622-4900
TELEFARE: (206) 622-4900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 51;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 79; DB 20;
Pred. No. 4.3e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY: linear SEQUENCE DESCRIPTION: SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE CHARACTERISTICS:
LENGTH: 51 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
100.0%;
Best Local Similarity 100.0%;
Matches 15; Conservative 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            INFORMATION FOR SEQ ID NO: 99:
                                                                                                                                                                                                                                                                                NUMBER OF SEQUENCES: 350
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 MTEQQWNFAGIEAAA 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 MTEQQWNFAGIEAAA 15
                                                                                                                                                                                                                                                                                                                                                   CITY: Seattle
STATE: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                     COUNTRY: USA
 RESULT 8
US-11-082-005-99
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-11-082-005-99
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ઠે
```

```
Sequence 12, Application US/10332512A
Sequence 12, Application US/10332512A
Publication No. US20040180056A1
GENERAL INFORMATION:
APPLICANT: ORME, Ian M.
APPLICANT: BELISLE, John T.
TITLE OF INVATION: MID-LIFE VACCINE AND METHODS FOR BOOSTING ANTI-MYCOBACTERIAL IMMU
FITHE REFERENCE: 38861-186292
CURRENT APPLICATION NUMBER: US/10/332,512A
FRIOR APPLICATION NUMBER: PCT/US01/21717
FRIOR APPLICATION NUMBER: US 60/217,646
FRIOR SEQ ID NOS: 31
SOFTWARE: PatentIn version 3.1
                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                       Sequence 1, Application US/09872505
Publication No. US20040013685A1
Publication No. US20040013685A1
Sequence 1, Application No. US20040013685A1
APPLICANT: Statens Serum Institut
TITLE OF INVENTION: Nucleic Acid Fragments Derived From M. Tuberculosis
FILE REFERENCE: 670001-2002.6
CURRENT APPLICATION NUMBER: US/09/872,505
CURRENT FILING DATE: 2001-06-01
NUMBER OF SEQ ID NOS: 12
SOFTWARE: PatentIn version 3.0
SEQ ID NO 1
LIENGTH: 95
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                 .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 95;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 95;
                                                                                             100.0%; Score 79; DB 9; Length 95; 100.0%; Pred. No. 8.2e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%; Score 79; DB 11;
100.0%; Pred. No. 8.2e-06;
tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; Score 79; DB 16;
100.0%; Pred. No. 8.2e-06;
iive 0; Mismatches 0;
                                                                                                                                                    Mismatches
; TYPE: PRT
; ORGANISM: Mycobacterium tuberculosis
US-09-805-427A-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ORGANISM: Mycobacterium tuberculosis US-09-872-505-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Mycobacterium tuberculosis
                                                                                                                                                    .
0
```

셤

```
22 MTEQQWNFAGIEAAA 36
                                                                                                                             US-09-805-427A-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                      APPLICANT: Britton, Warwick
APPLICANT: Britton, Warwick
APPLICANT: Demangel, Caroline
TITLE OF INVENTION: Compositions and Methods for Targeting
TITLE OF INVENTION: Antigen-Presenting Cells With Antibody Single-Chain Variable
TITLE OF INVENTION: Region Fragments
FILE REFERENCE: 13311.1002U
CURRENT APPLICATION NUMBER: US/10/689,921
CURRENT FILING DATE: 2003-10-17
NUMBER OF SEQ ID NOS: 18
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ô,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-791-171-173

Sequence 173, Application US/09791171

Sequence 173, Application US/09791171

GENERAL INFORMATION:

APPLICANT: ANDERSEN, Peter

APPLICANT: NIELSEN, Rikke

APPLICANT: RASMUSSEN, Peter Birk

APPLICANT: RASMUSSEN, Walter

TITLE OF INVENTION: WILEIE ACIDS FRAGMENTS AND POLYPEPTIDE FRAGMENTS

FILE REFERENCE: 67001-2002.1

CURRENT APPLICATION NUMBER: US/09/791,171

CURRENT APPLICATION NUMBER: US/09/791,171

CURRENT FILING DATE: 1999-03-30

PRIOR PILING DATE: 1997-04-02

PRIOR PILING DATE: 1997-11-10

PRIOR FILING DATE: 1997-11-10

PRIOR FILING DATE: 1997-11-10

PRIOR FILING DATE: 1999-01-05

NUMBER: 60/044,624

PRIOR FILING DATE: 1999-01-05

NUMBER: 60/070,488

PRIOR FILING DATE: 1999-01-05

NUMBER: 60/070,488

PRIOR FILING DATE: 1999-01-05

NUMBER: PEGO ID NOS: 173

COFFWARE: PATENTIN VET. 2.0

SEQ ID NO 173

LEACTH: 403

LEACTH: 403
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 100.0%; Score 79; DB 9; Length 403; Best Local Similarity 100.0%; Pred. No. 3.6e-05; Matches 15; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 95;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 79; DB 18;
Pred. No. 8.2e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Mycobacterium tuberculosis US-09-791-171-173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       , ORGANISM: Mycobacterium tuberculosis
US-10-689-921-18
                                                                                                       US-10-689-921-18
; Sequence 18, Application US/10689921
; Publication No. US20040146948A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 100.0%;
Matches 15; Conservative 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 MTEQOWNFAGIEAAA 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQ ID NO 18
LENGTH: 95
```

ò g

```
ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 403;
                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 100.0%; Score 79; DB 9; Length 403; Best Local Similarity 100.0%; Pred. No. 3.6e-05; Matches 15; Conservative 0; Mismatches 0; Indel8
Sequence 4, Application US/09805427A;
Patent No. US20020176867A1;
GENERAL INFORMATION:
APPLICANT Statens Serum Institut
TILE OF INVENTION: Hybrids of M. tuberculosis Antigens;
TILE REFERENCE: 670001-2002.5;
CURRENT APPLICATION NUMBER: US/09/805,427A;
CURRENT PILING DATE: 2001-03-13
NUMBER OF SEQ ID NOS: 12;
SEQ ID NO S: 12;
SEQ ID NO 4.
LENGTH: 403
                                                                                                                                                                                                                                                                                                                                                         ; OTHER INFORMATION: Recombinant Fusion protein ESAT-6-Ag85B
US-09-805-427A-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 79; DB 10;
Pred. No. 3.6e-05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-804-980-173

Sequence 173, Application US/09804980

Publication No. US20030147897A1

GENERAL INFORMATION:
APPLICANT: Statens Serum Intitut
APPLICANT: Anderson, Peter
TITLE OF INVENTION: M. Tuberculosis Antigens
FILE REFRENCE: 670001-2002.4

CURRENT APPLICATION NUMBER: US/09/804,980

CURRENT FILING DATE: 2001-03-12

NUMBER OF SEQ ID NOS: 257

SOFTWARE: Patentin version 3.0

SEQ ID NO 173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Search completed: August 27, 2005, 00:21:34 Job time : 112.5 secs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; TYPE: PRT
; ORGANISM: Mycobacterium tuberculosis
US-09-804-980-173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%;
                                                                                                                                                                                                                                                                                          TYPE: PRT ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 MTEQQWNFAGIEAAA 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 MTEQQWNFAGIEAAA 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 22 MTEOOWNFAGIEAAA 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            22 MTEQOWNFAGIEAAA 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
```

HIS PAGE BLANK (USPTO)